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Titolo	GeoServer Cookbook : boost your map server's performance using the power and flexibility of GeoServer // Stefano Iacovella
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ISBN	1-78328-962-7
Edizione	[1st edition]
Descrizione fisica	1 online resource (280 p.)
Disciplina	006
Soggetti	Application program interface (Computer software)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Quick answers to common problems"--Cover. Includes index.
Nota di contenuto	Cover; Copyright; Credits; About the Author; Acknowledgments; About the Reviewers; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Working with Vectors; Introduction; Using different WFS versions in OpenLayers; Using WFS nonspatial filters; Using WFS spatial filters; Using WFS vendor parameters; Filtering data with CQL; Filtering data with CQL spatial operators; Creating a SQL view; Creating a parametric view; Improving performance with pregeneralized features; Chapter 2: Working with Rasters; Introduction; Getting coverages in different formats; Using WCS vendor parameters Publishing a mosaicUsing pyramids; Adding GDAL formats; Adding a PostGIS raster data source; Chapter 3: Advanced Styling; Introduction; Installing the CSS module; Creating a simple polygon style with CSS; Adding filters to your style; Adding labels with CSS; Creating scale-dependant rules; Rendering transformations for raster data; Creating a dot density chart; Chapter 4: Geoprocessing; Introduction; Installing the WPS module; Using the WPS process builder; Chaining process - selecting features contained in a polygon; Chaining process - building your own task Chapter 5: Advanced ConfigurationsIntroduction; Upgrading GeoServer; Creating a script for automatic startup; Optimizing Java; Setting up a JNDI connection pool; Working with CRS; Using the reprojection console; Overriding an official EPSG code; Setting up GeoWebCache -

how to make pre-rendered tiles for high availability; Storing configurations in an RDBMS; Chapter 6: Automating GeoServer Configurations; Introduction; Managing workspaces with REST; Creating and editing data stores with REST; Managing layers with REST; Uploading and updating styles with REST
Managing layers with the GWC REST API
Managing cache tiles with the GWC REST API; Chapter 7: Advanced Visualizations; Introduction; Adding time to WMS maps; Using the WMS animator; Keyhole Markup Language styling; Using z-order creatively; Using transparency creatively; Using symbology encoding; Chapter 8: Monitoring and Tuning; Introduction; Installing the control flow module; Setting a per-user limit; Setting a per-request limit; Installing the monitoring extension; Configuring the monitoring extension; Creating reports from the monitoring database; Limiting the GeoWebCache disk use
Appendix: OGC for ESRI professionals
Introduction; ArcGIS versus GeoServer; Understanding standards; WMS versus the mapping service; WFS versus feature access; Publishing raster data with WCS; Index

Sommario/riassunto

This book is ideal for GIS experts, developers, and system administrators who have had a first glance at GeoServer and who are eager to explore all its features in order to configure professional map servers. Basic knowledge of GIS and GeoServer is required.
